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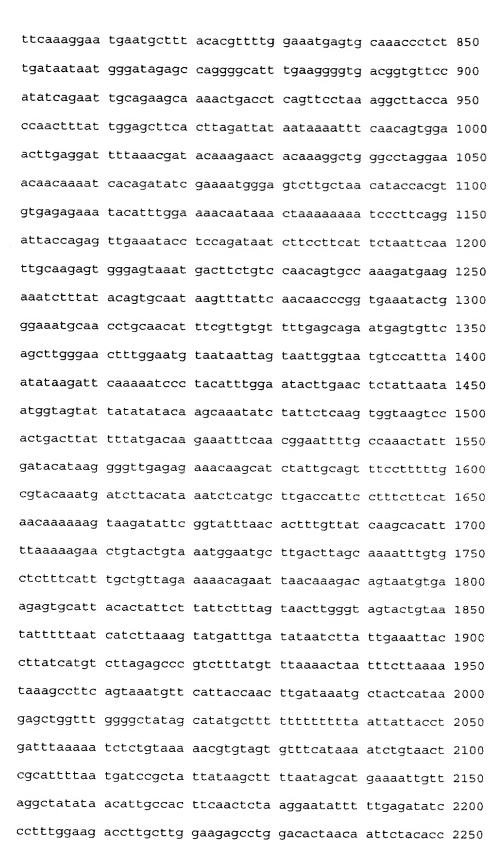
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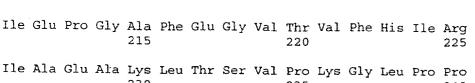
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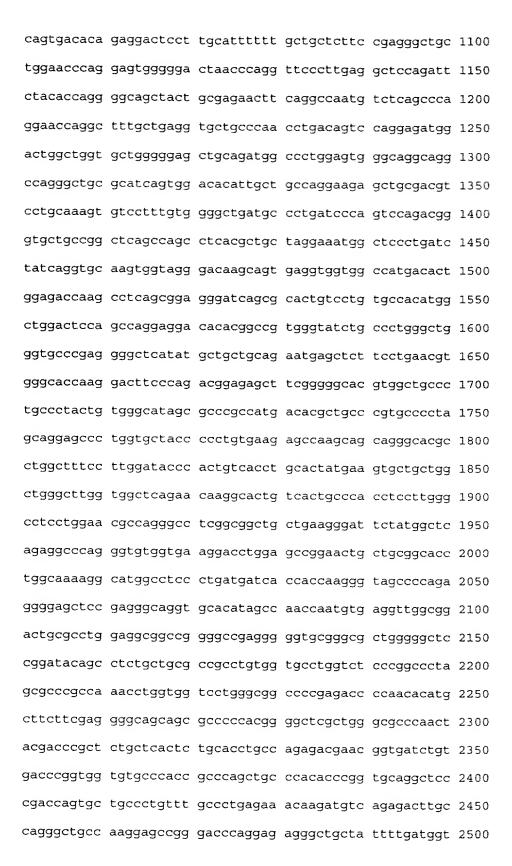
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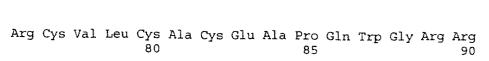


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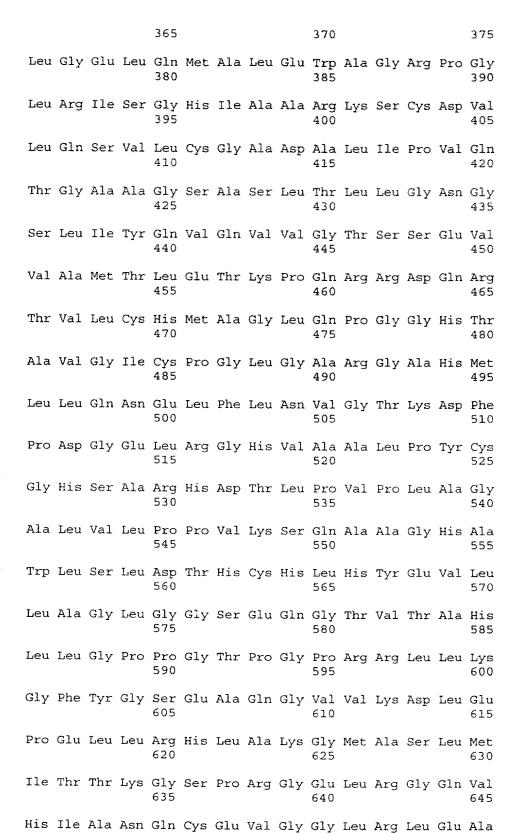
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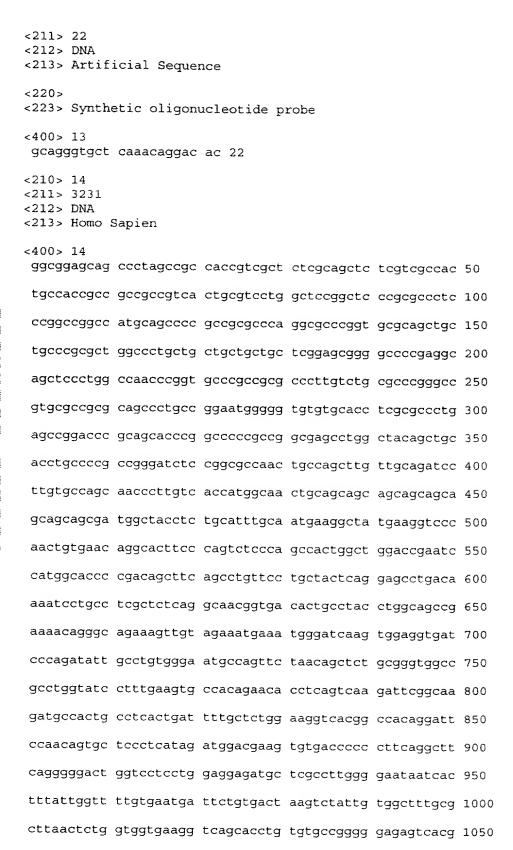
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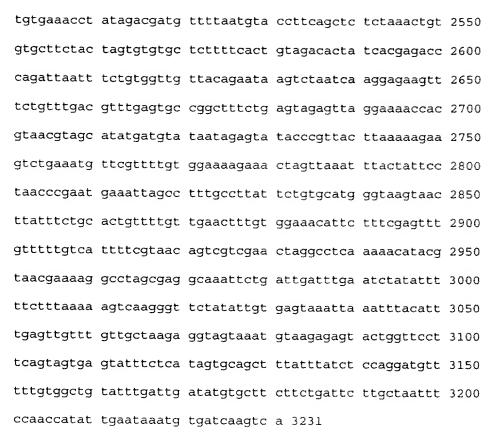
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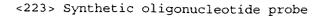
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Val Tyr Gln Lys Gly Leu Gln Asp Val Asn Leu Arg Asn Phe Ser 50 55 60

Tyr Gly Gln Thr Ser Leu Asp Arg Leu Arg Asp Gly Leu Val Gly
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Ala Gln Phe Trp Ser Ala Tyr Val Pro Cys Gln Thr Gln Asp Arg

Asp Ala Leu Arg Leu Thr Leu Glu Gln Ile Asp Leu Ile Arg Arg 95 100 105

Met Cys Ala Ser Tyr Ser Glu Leu Glu Leu Val Thr Ser Ala Lys 110 115 120

Ala Leu Asn Asp Thr Gln Lys Leu Ala Cys Leu Ile Gly Val Glu 125 130 135

Gly Gly His Ser Leu Asp Asn Ser Leu Ser Ile Leu Arg Thr Phe
140 145

Tyr Met Leu Gly Val Arg Tyr Leu Thr Leu Thr His Thr Cys Asn 155 160 165

Thr Pro Trp Ala Glu Ser Ser Ala Lys Gly Val His Ser Phe Tyr 170 175 180



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| Ile | Phe | Ser | His | Ser 230 | Ala | Ala | Arg | Gly | Val 235 | Cys | Asn | Ser | Ala | Arg 240 |
| Asn | Val | Pro | Asp | Asp 245 | Ile | Leu | Gln | Leu | Leu 250 | Lys | Lys | Asn | Gly | Gly 255 |
| Val | Val | Met | Val | Ser 260 | Leu | Ser | Met | Gly | Val 265 | Ile | Gln | Cys | Asn | Pro 270 |
| Ser | Ala | Asn | Val | Ser 275 | Thr | Val | Ala | Asp | His 280 | Phe | Asp | His | Ile | Lys 285 |
| Ala | Val | Ile | Gly | Ser 290 | Lys | Phe | Ile | Gly | Ile 295 | Gly | Gly | Asp | Tyr | Asp 300 |
| Gly | Ala | Gly | Lys | Phe 305 | Pro | Gln | Gly | Leu | Glu 310 | Asp | Val | Ser | Thr | Tyr 315 |
| Pro | Val | Leu | Ile | Glu 320 | Glu | Leu | Leu | Ser | Arg 325 | Gly | Trp | Ser | Glu | Glu 330 |
| Glu | Leu | Gln | Gly | Val 335 | Leu | Arg | Gly | Asn | Leu 340 | Leu | Arg | Val | Phe | Arg 345 |
| Gln | Val | Glu | Lys | Val 350 | Gln | Glu | Glu | Asn | Lys 355 | Trp | Gln | Ser | Pro | Leu 360 |
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| Lys | Trp | Ser | Val | Ser 410 | Glu | Ser | Ser | Pro | His 415 | Met | Ala | Pro | Val | Leu 420 |
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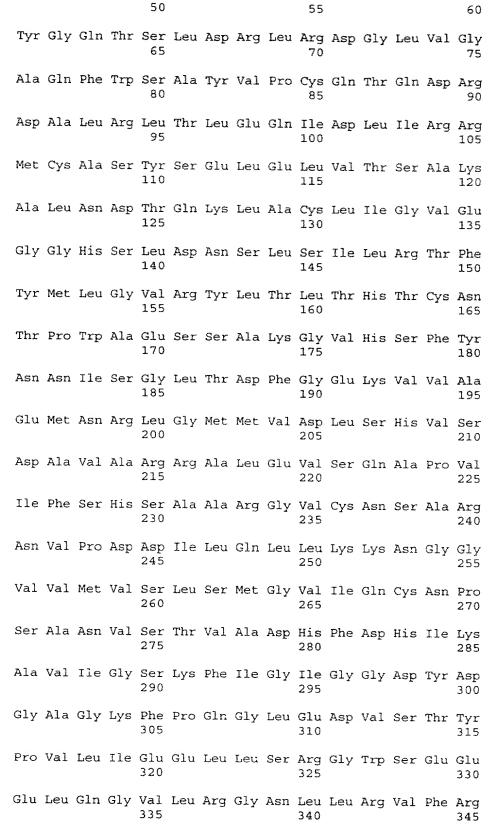
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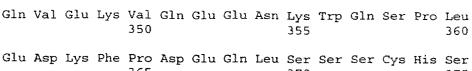
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 35 40 45
- Val Tyr Gln Lys Gly Leu Gln Asp Val Asn Leu Arg Asn Phe Ser





365 370 375

Asp Leu Ser Arg Leu Arg Gln Arg Gln Ser Leu Thr Ser Gly Gln 380 385 390

Glu Leu Thr Glu Ile Pro Ile His Trp Thr Ala Lys Leu Pro Ala 395 400 405

Lys Trp Ser Val Ser Glu Ser Ser Pro His Pro Asp Lys Thr His
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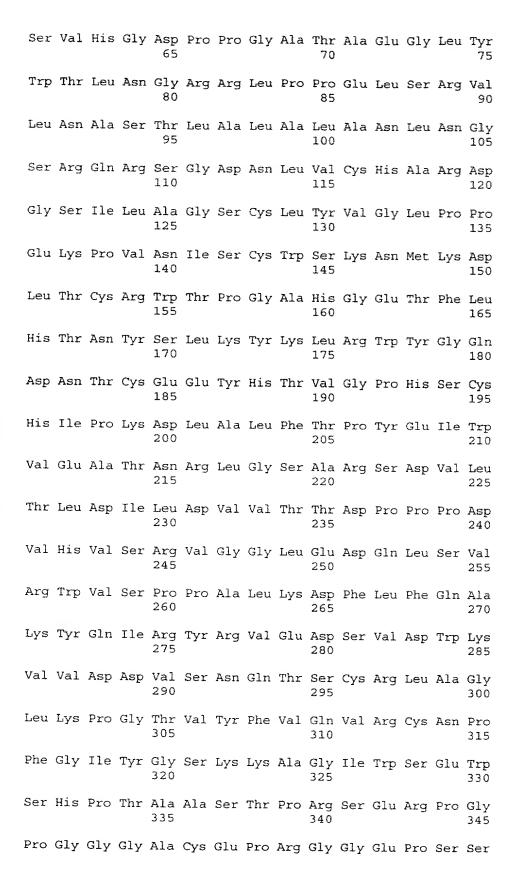
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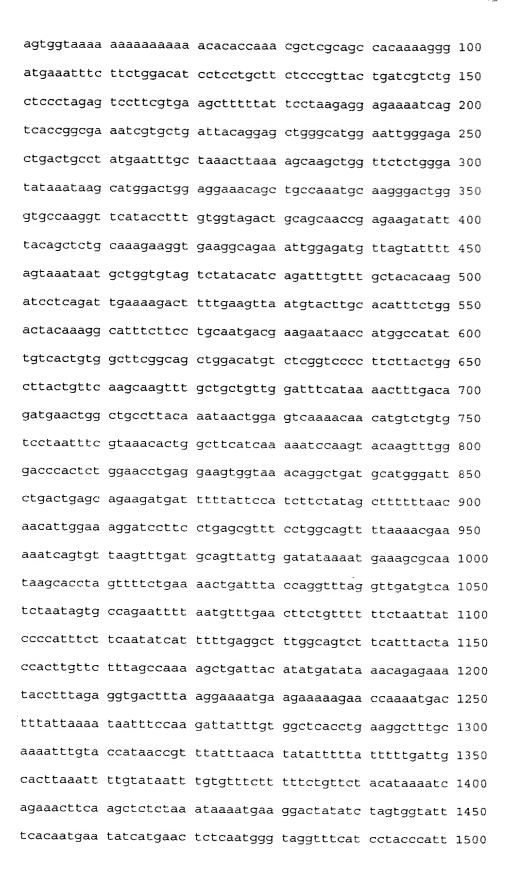
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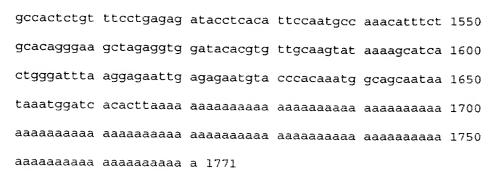
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| | Lys | His | Ala | Tyr | Cys 380 | Ser | Asn | Leu | Ser | Phe 385 | Arg | Leu | Tyr | Asp | Gln 390 | |
| | Trp | Arg | Ala | Trp | Met 395 | Gln | Lys | Ser | His | Lys 400 | Thr | Arg | Asn | Gln | Asp 405 | |
| | Glu | Gly | Ile | Leu | Pro 410 | Ser | Gly | Arg | Arg | Gly 415 | Thr | Ala | Arg | Gly | Pro 420 | |
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His Gly Ile Gly Arg Leu Thr Ala Tyr Glu Phe Ala Lys Leu Lys

Ser Lys Leu Val Leu Trp Asp Ile Asn Lys His Gly Leu Glu Glu

Thr Ala Ala Lys Cys Lys Gly Leu Gly Ala Lys Val His Thr Phe

Val Val Asp Cys Ser Asn Arg Glu Asp Ile Tyr Ser Ser Ala Lys 95 100 105

Lys Val Lys Ala Glu Ile Gly Asp Val Ser Ile Leu Val Asn Asn 110 115 120

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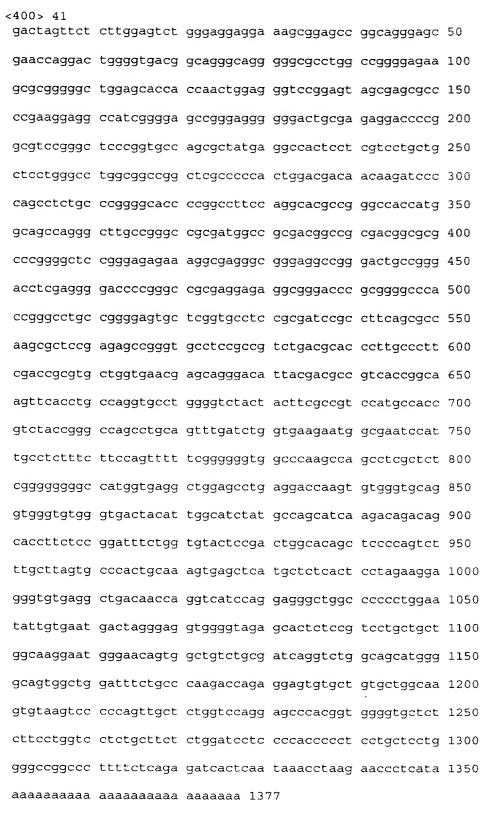
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185 190

His Lys Thr Leu Thr Asp Glu Leu Ala Ala Leu Gln Ile Thr Gly

200 205 210 Val Lys Thr Thr Cys Leu Cys Pro Asn Phe Val Asn Thr Gly Phe 215 220 Ile Lys Asn Pro Ser Thr Ser Leu Gly Pro Thr Leu Glu Pro Glu 230 235 Glu Val Val Asn Arg Leu Met His Gly Ile Leu Thr Glu Gln Lys 245 Met Ile Phe Ile Pro Ser Ser Ile Ala Phe Leu Thr Thr Leu Glu Arg Ile Leu Pro Glu Arg Phe Leu Ala Val Leu Lys Arg Lys Ile Ser Val Lys Phe Asp Ala Val Ile Gly Tyr Lys Met Lys Ala Gln 295 <210> 38 <211> 23 <212> DNA <213> Artificial Sequence <223> Synthetic oligonucleotide probe <400> 38 ggtgaaggca gaaattggag atg 23 <210> 39 <211> 24 <212> DNA <213> Artificial Sequence <223> Synthetic oligonucleotide probe <400> 39 atcccatgca tcagcctgtt tacc 24 <210> 40 <211> 48 <212> DNA <213> Artificial Sequence <223> Synthetic oligonucleotide probe gctggtgtag tctatacatc agatttgttt gctacacaag atcctcag 48 <210> 41 <211> 1377 <212> DNA <213> Homo Sapien



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35 40 45

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Pro Arg Gly Asp Pro Gly Pro Arg Gly Glu Ala Gly Pro Ala Gly 80 85 90

Pro Thr Gly Pro Ala Gly Glu Cys Ser Val Pro Pro Arg Ser Ala 95 100 105

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Tyr Asp Ala Val Thr Gly Lys Phe Thr Cys Gln Val Pro Gly Val

Tyr Tyr Phe Ala Val His Ala Thr Val Tyr Arg Ala Ser Leu Gln
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Phe Asp Leu Val Lys Asn Gly Glu Ser Ile Ala Ser Phe Phe Gln
170 175 180

Phe Phe Gly Gly Trp Pro Lys Pro Ala Ser Leu Ser Gly Gly Ala

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Lys Glu Ser Phe Leu Leu Ser Leu His Asn Arg Leu Arg Ser 50 55 60

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80 85 90

Ile Pro Thr Pro Ser Leu Ala Ser Gly Leu Trp Arg Thr Leu Gln
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Val Gly Trp Asn Met Gln Leu Leu Pro Ala Gly Leu Ala Ser Phe



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| Thr | Gln | Leu | Val | Trp 155 | Ala | Thr | Ser | Ser | Gln 160 | Leu | Gly | Cys | Gly | Arg 165 |
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| Ala | Tyr | Ser | Pro | Gly 185 | Gly | Asn | Trp | Glu | Val 190 | Asn | Gly | Lys | Thr | Ile 195 |
| Ile | Pro | Tyr | Lys | Lys 200 | Gly | Ala | Trp | Cys | Ser 205 | Leu | Cys | Thr | Ala | Ser 210 |
| Val | Ser | Gly | Cys | Phe 215 | Lys | Ala | Trp | Asp | His 220 | Ala | Gly | Gly | Leu | Cys 225 |
| Glu | Val | Pro | Arg | Asn 230 | Pro | Cys | Arg | Met | Ser 235 | Суѕ | Gln | Asn | His | Gly 240 |
| Arg | Leu | Asn | Ile | Ser 245 | Thr | Cys | His | Cys | His 250 | Cys | Pro | Pro | Gly | Tyr 255 |
| Thr | Gly | Arg | Tyr | Cys 260 | Gln | Val | Arg | Cys | Ser 265 | Leu | Gln | Cys | Val | His 270 |
| Gly | Arg | Phe | Arg | Glu 275 | Glu | Glu | Cys | Ser | Cys 280 | Val | Cys | Asp | Ile | Gly 285 |
| Tyr | Gly | Gly | Ala | Gln 290 | Cys | Ala | Thr | Lys | Val 295 | His | Phe | Pro | Phe | His 300 |
| Thr | Cys | Asp | Leu | Arg 305 | Ile | Asp | Gly | Asp | Cys 310 | Phe | Met | Val | Ser | Ser 315 |
| Glu | Ala | Asp | Thr | Tyr 320 | Tyr | Arg | Ala | Arg | Met 325 | Lys | Cys | Gln | Arg | Lys |
| Gly | Gly | Val | Leu | Ala 335 | Gln | Ile | Lys | Ser | Gln 340 | Lys | Val | Gln | Asp | Ile 345 |
| Leu | Ala | Phe | Tyr | Leu 350 | Gly | Arg | Leu | Glu | Thr 355 | Thr | Asn | Glu | Val | Thr 360 |
| Asp | Ser | Asp | Phe | Glu 365 | Thr | Arg | Asn | Phe | Trp 370 | Ile | Gly | Leu | Thr | Tyr 375 |
| Lys | Thr | Ala | Lys | Asp 380 | Ser | Phe | Arg | Trp | Ala 385 | Thr | Gly | Glu | His | Gln 390 |
| Ala | Phe | Thr | Ser | Phe 395 | Ala | Phe | Gly | Gln | Pro 400 | Asp | Asn | His | Gly | Leu 405 |



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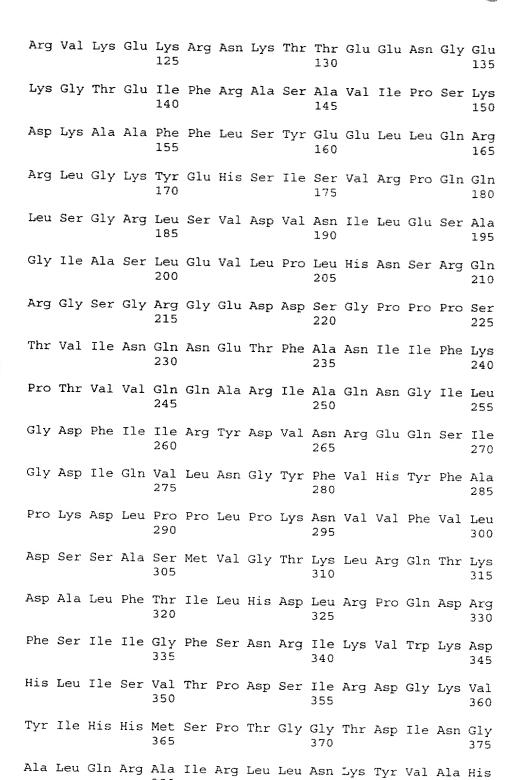
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Val Tyr Gln Gly Glu Ile Thr Glu Arg Glu Lys Lys Ser Gly Asp 110 115 120



43

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Asp Gly Lys Pro Thr Val Gly Glu Thr His Thr Leu Lys Ile Leu

395

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| Asp | Ala | Gly | Ser | Gln 470 | Leu | Ile | Gly | Phe | Tyr 475 | Asp | Glu | Ile | Arg | Thr 480 |
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| Val | Gln | Ala | Thr | Lys 500 | Thr | Leu | Phe | Pro | Asn 505 | Tyr | Phe | Asn | Gly | Ser 510 |
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| Leu | His | Val | Glu | Val 530 | Thr | Ala | Ser | Asn | Ser 535 | Lys | Lys | Phe | Ile | Ile 540 |
| Leu | Lys | Thr | Asp | Val 545 | Pro | Val | Arg | Pro | Gln 550 | Lys | Ala | Gly | Lys | Asp 555 |
| Val | Thr | Gly | Ser | Pro 560 | Arg | Pro | Gly | Gly | Asp 565 | Gly | Glu | Gly | Asp | Thr 570 |
| Asn | His | Ile | Glu | Arg 575 | Leu | Trp | Ser | Tyr | Leu 580 | Thr | Thr | Lys | Glu | Leu 585 |
| Leu | Ser | Ser | Trp | Leu 590 | Gln | Ser | Asp | Asp | Glu 595 | Pro | Glu | Lys | Glu | Arg 600 |
| Leu | Arg | Gln | Arg | Ala 605 | Gln | Ala | Leu | Ala | Val 610 | Ser | Tyr | Arg | Phe | Leu 615 |
| Thr | Pro | Phe | Thr | Ser 620 | Met | Lys | Leu | Arg | Gly 625 | Pro | Val | Pro | Arg | Met 630 |
| Asp | Gly | Leu | Glu | Glu 635 | Ala | His | Gly | Met | Ser 640 | Ala | Ala | Met | Gly | Pro 645 |
| Glu | Pro | Val | Val | Gln 650 | Ser | Val | Arg | Gly | Ala 655 | Gly | Thr | Gln | Pro | Gly 660 |
| Pro | Leu | Leu | Lys | Lys 665 | Pro | Asn | Ser | Val | Lys 670 | Lys | Lys | Gln | Asn | Lys 675 |
| Thr | Lys | Lys | Arg | His 680 | Gly | Arg | Asp | Gly | Val 685 | Phe | Pro | Leu | His | His 690 |
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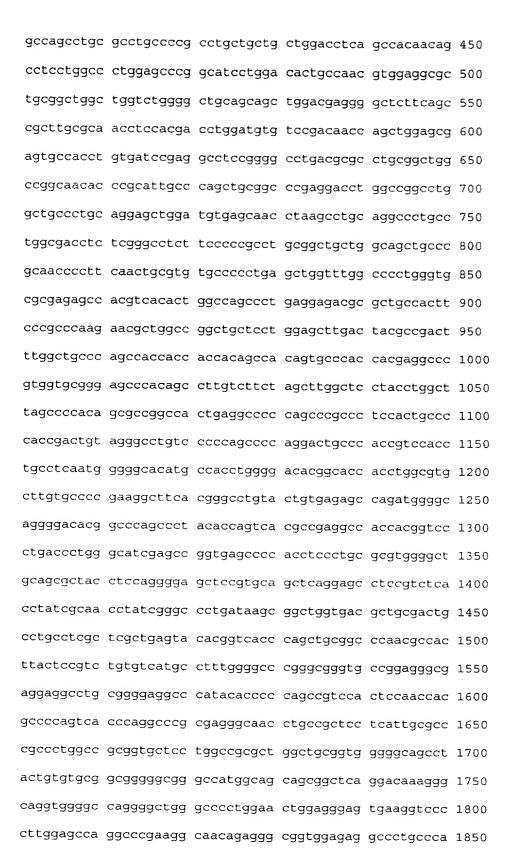
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| | | | | 305 | | | | | 310 | | | | | 315 |
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| Gly | Gly | Val | Val | Ala 380 | Val | Val | Val | Phe | Ala 385 | Met | Leu | Cys | Leu | Leu 390 |
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| Thr | His | Glu | Ala | Lys 410 | Gly | Ala | Asp | Asp | Ala 415 | Ala | Asp | Ala | Asp | Thr 420 |
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| <400> ggct | | jet <u>e</u> | ıttgo | ctctt | c to | eg 2 | 24 | | | | | | | |
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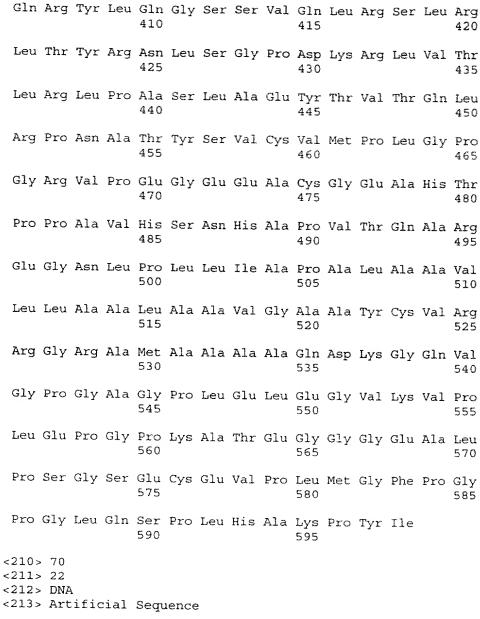
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Pro Gly Leu Gln Leu Leu Asp Leu Ser Gln Asn Gln Ile Ala Ser 80 85 90

Leu Arg Leu Pro Arg Leu Leu Leu Leu Asp Leu Ser His Asn Ser
95 100 105

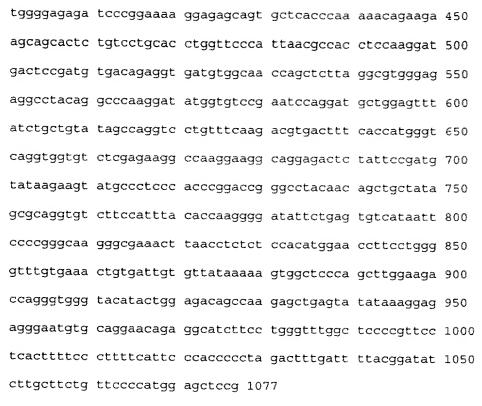
Leu Leu Ala Leu Glu Pro Gly Ile Leu Asp Thr Ala Asn Val Glu

| | | | | 110 | | | | | 115 | | | | | 120 |
|-----|-----|-----|-----|------------|-----|-----|-----|-----|------------|-----|-----|-----|-----|------------|
| Ala | Leu | Arg | Leu | Ala 125 | Gly | Leu | Gly | Leu | Gln 130 | Gln | Leu | Asp | Glu | Gly 135 |
| Leu | Phe | Ser | Arg | Leu 140 | Arg | Asn | Leu | His | Asp 145 | Leu | Asp | Val | Ser | Asp 150 |
| Asn | Gln | Leu | Glu | Arg 155 | Val | Pro | Pro | Val | Ile 160 | Arg | Gly | Leu | Arg | Gly 165 |
| Leu | Thr | Arg | Leu | Arg 170 | Leu | Ala | Gly | Asn | Thr 175 | Arg | Ile | Ala | Gln | Leu 180 |
| Arg | Pro | Glu | Asp | Leu 185 | Ala | Gly | Leu | Ala | Ala 190 | Leu | Gln | Glu | Leu | Asp 195 |
| Val | Ser | Asn | Leu | Ser 200 | Leu | Gln | Ala | Leu | Pro 205 | Gly | Asp | Leu | Ser | Gly 210 |
| Leu | Phe | Pro | Arg | Leu 215 | Arg | Leu | Leu | Ala | Ala 220 | Ala | Arg | Asn | Pro | Phe 225 |
| Asn | Cys | Val | Cys | Pro 230 | Leu | Ser | Trp | Phe | Gly 235 | Pro | Trp | Val | Arg | Glu 240 |
| Ser | His | Val | Thr | Leu 245 | Ala | Ser | Pro | Glu | Glu 250 | Thr | Arg | Cys | His | Phe 255 |
| Pro | Pro | Lys | Asn | Ala 260 | Gly | Arg | Leu | Leu | Leu 265 | Glu | Leu | Asp | Tyr | Ala 270 |
| | Phe | | | 275 | | | | | 280 | | | | | 285 |
| Thr | Arg | Pro | Val | Val 290 | Arg | Glu | Pro | Thr | Ala 295 | Leu | Ser | Ser | Ser | Leu 300 |
| | Pro | | | 305 | | | | | 310 | | | | | 315 |
| | Pro | | | 320 | | | | | 325 | | | | | 330 |
| | Gln | | | 335 | | | | | 340 | | | | | 345 |
| | Leu | | | 350 | | | | | 355 | | | | | 360 |
| | Thr | | | 365 | | | | | 370 | | | | | 375 |
| | Ser | | | 380 | | | | | 385 | | | | | 390 |
| Leu | Gly | Ile | Glu | Pro 395 | Val | Ser | Pro | Thr | Ser 400 | Leu | Arg | Val | Gly | Leu 405 |



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- <220>
- <223> Synthetic oligonucleotide probe
- <400> 70
- ccctccactg ccccaccgac tq 22
- <210> 71
- <211> 24
- <212> DNA
- <213> Artificial Sequence
- <220>
- <223> Synthetic oligonucleotide probe

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ggcctccagg caacatgggg ggcccagtca gagagccggc actctcagtt 200
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<211> 250

<212> PRT

<213> Homo Sapien

<400> 76

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Gly Asn Met Gly Gly Pro Val Arg Glu Pro Ala Leu Ser Val Ala
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Leu Trp Leu Ser Trp Gly Ala Ala Leu Gly Ala Val Ala Cys Ala 35 40 45

Met Ala Leu Leu Thr Gln Gln Thr Glu Leu Gln Ser Leu Arg Arg 50 55 60

Glu Val Ser Arg Leu Gln Gly Thr Gly Gly Pro Ser Gln Asn Gly
65 70 75

Glu Gly Tyr Pro Trp Gln Ser Leu Pro Glu Gln Ser Ser Asp Ala 80 85 90

Leu Glu Ala Trp Glu Asn Gly Glu Arg Ser Arg Lys Arg Arg Ala 95 100 105

Val Leu Thr Gln Lys Gln Lys Gln His Ser Val Leu His Leu 110 115 120



| Val | Pro | Ile | Asn | Ala 125 | Thr | Ser | Lys | Asp | Asp 130 | Ser | Asp | Val | Thr | Glu 135 |
|------|------|-----|-----|------------|-----|-----|-----|-----|------------|-----|-----|-----|-----|------------|
| Val | Met | Trp | Gln | Pro 140 | Ala | Leu | Arg | Arg | Gly 145 | Arg | Gly | Leu | Gln | Ala 150 |
| Gln | Gly | Tyr | Gly | Val 155 | Arg | Ile | Gln | Asp | Ala 160 | Gly | Val | Tyr | Leu | Leu 165 |
| Tyr | Ser | Gln | Val | Leu 170 | Phe | Gln | Asp | Val | Thr 175 | Phe | Thr | Met | Gly | Gln 180 |
| Val | Val | Ser | Arg | Glu 185 | Gly | Gln | Gly | Arg | Gln 190 | Glu | Thr | Leu | Phe | Arg 195 |
| Cys | Ile | Arg | Ser | Met 200 | Pro | Ser | His | Pro | Asp 205 | Arg | Ala | Tyr | Asn | Ser 210 |
| Сув | Tyr | Ser | Ala | Gly 215 | Val | Phe | His | Leu | His 220 | Gln | Gly | Asp | Ile | Leu 225 |
| Ser | Val | Ile | Ile | Pro 230 | Arg | Ala | Arg | Ala | Lys 235 | Leu | Asn | Leu | Ser | Pro 240 |
| His | Gly | Thr | Phe | Leu 245 | Gly | Phe | Val | Lys | Leu 250 | | | | | |
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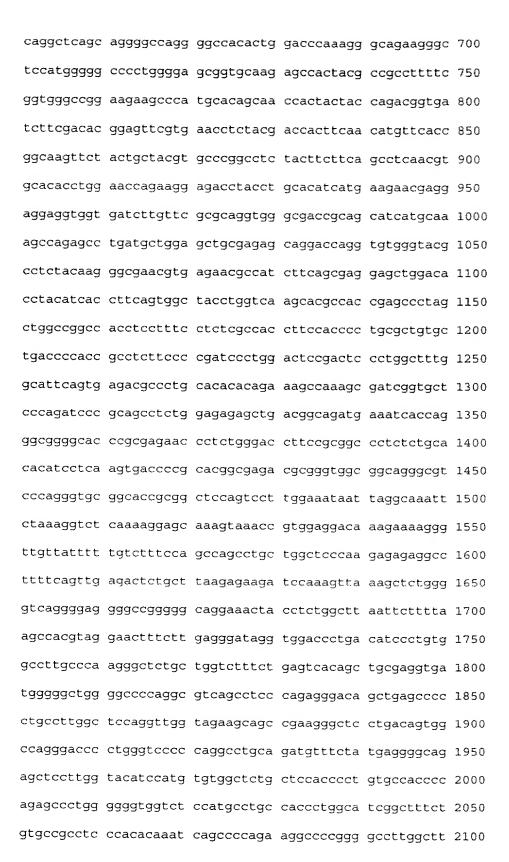
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ggagaagggt gaccgcggag atcgaggcct ccaagggaaa tatggcaaaa 650



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teteeacete acceegetge etetetteet teeeeeate eceeaetg 2600
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<210> 78

<211> 281

<212> PRT

<213> Homo Sapien

<400> 78

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Leu Ala Phe Ala Ser Gly Leu Val Leu Ser Arg Val Pro His Val
20 25 30

Gln Gly Glu Gln Gln Glu Trp Glu Gly Thr Glu Glu Leu Pro Ser

Pro Pro Asp His Ala Glu Arg Ala Glu Glu Glu His Glu Lys Tyr
50 55 60

Arg Pro Ser Gln Asp Gln Gly Leu Pro Ala Ser Arg Cys Leu Arg
65 70 75

Cys Cys Asp Pro Gly Thr Ser Met Tyr Pro Ala Thr Ala Val Pro 80 85 90

Gln Ile Asn Ile Thr Ile Leu Lys Gly Glu Lys Gly Asp Arg Gly
95 100 105

Asp Arg Gly Leu Gln Gly Lys Tyr Gly Lys Thr Gly Ser Ala Gly





| | | | | 110 | | | | | 115 | | | | | 120 |
|---------------------------------------------|---------------------------|--------|-------|------------|-------|----------------|-------|--------|------------|-----|-----|-----|-----|------------|
| Ala | Arg | Gly | His | Thr 125 | Gly | Pro | Lys | Gly | Gln 130 | Lys | Gly | Ser | Met | Gly 135 |
| Ala | Pro | Gly | Glu | Arg 140 | Cys | Lys | Ser | His | Tyr 145 | Ala | Ala | Phe | Ser | Val 150 |
| Gly | Arg | Lys | Lys | Pro 155 | Met | His | Ser | Asn | His 160 | Tyr | Tyr | Gln | Thr | Val 165 |
| Ile | Phe | Asp | Thr | Glu 170 | Phe | Val | Asn | Leu | Tyr 175 | Asp | His | Phe | Asn | Met 180 |
| Phe | Thr | Gly | Lys | Phe 185 | Tyr | Cys | Tyr | Val | Pro 190 | Gly | Leu | Tyr | Phe | Phe 195 |
| Ser | Leu | Asn | Val | His 200 | Thr | Trp | Asn | Gln | Lys 205 | Glu | Thr | Tyr | Leu | His 210 |
| Ile | Met | Lys | Asn | Glu 215 | Glu | Glu | Val | Val | Ile 220 | Leu | Phe | Ala | Gln | Val 225 |
| Gly | Asp | Arg | Ser | Ile 230 | Met | Gln | Ser | Gln | Ser 235 | Leu | Met | Leu | Glu | Leu 240 |
| Arg | Glu | Gln | Asp | Gln 245 | Val | Trp | Val | Arg | Leu 250 | Tyr | Lys | Gly | Glu | Arg 255 |
| Glu | Asn | Ala | Ile | Phe 260 | Ser | Glu | Glu | Leu | Asp 265 | Thr | Tyr | Ile | Thr | Phe 270 |
| Ser | Gly | Tyr | Leu | Val 275 | Lys | His | Ala | Thr | Glu 280 | Pro | | | | |
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| <213: | > Art | cific | cial | Sequ | ience | <u>,</u> | | | | | | | | |
| <220 <223 | | nt het | ic c | ligo | mual | ooti | .d | · waha | | | | | | |
| <400: | | 101100 | .10 (| rige | mucı | .6003 | iue į | TODE | : | | | | | |
| | | cca ç | ıtcaç | gaco | a gg | 1 9 9 2 | 24 | | | | | | | |
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gaccaaaact aaactgaaat ttaaaatgtt cttcggggga gaagggagct 250
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tttcctctga tcaagaaata gctcatctgc tgcctgaaaa tgtgagtgcg 900
ctcccagcta cggtggcagt tgcttctcca cataccacct cggctactcc 950
aaageeegee accettetae ecaceaatge tteagtgaca eettetggga 1000
cttcccagcc acagctggcc accacagetc cacctgtaac cactgtcact 1050
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<211> 431

<212> PRT

<213> Homo Sapien

<400> 83

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1 5 10 15





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|-----|-----|-----|-----|------------|-----|-----|-----|-----|------------|-----|-----|-----|-----|------------|
| Lys | Lys | Ser | Leu | Glu 35 | Asp | Val | Val | Ile | Asp 40 | Ile | Gln | Ser | Ser | Leu 45 |
| Ser | Lys | Gly | Ile | Arg 50 | Gly | Asn | Glu | Pro | Val 55 | Tyr | Thr | Ser | Thr | Gln 60 |
| Glu | Asp | Cys | Ile | Asn 65 | Ser | Cys | Cys | Ser | Thr 70 | Lys | Asn | Ile | Ser | Gly 75 |
| Asp | Lys | Ala | Cys | Asn 80 | Leu | Met | Ile | Phe | Asp 85 | Thr | Arg | Lys | Thr | Ala 90 |
| Arg | Gln | Pro | Asn | Cys 95 | Tyr | Leu | Phe | Phe | Cys 100 | Pro | Asn | Glu | Glu | Ala 105 |
| Cys | Pro | Leu | Lys | Pro 110 | Ala | Lys | Gly | Leu | Met 115 | Ser | Tyr | Arg | Ile | Ile 120 |
| Thr | Asp | Phe | Pro | Ser 125 | Leu | Thr | Arg | Asn | Leu 130 | Pro | Ser | Gln | Glu | Leu 135 |
| Pro | Gln | Glu | Asp | Ser 140 | Leu | Leu | His | Gly | Gln 145 | Phe | Ser | Gln | Ala | Val 150 |
| Thr | Pro | Leu | Ala | His 155 | His | His | Thr | Asp | Tyr 160 | Ser | Lys | Pro | Thr | Asp 165 |
| Ile | Ser | Trp | Arg | Asp 170 | Thr | Leu | Ser | Gln | Lys 175 | Phe | Gly | Ser | Ser | Asp 180 |
| His | Leu | Glu | Lys | Leu 185 | Phe | Lys | Met | Asp | Glu 190 | Ala | Ser | Ala | Gln | Leu 195 |
| Leu | Ala | Tyr | Lys | Glu 200 | Lys | Gly | His | Ser | Gln 205 | Ser | Ser | Gln | Phe | Ser 210 |
| Ser | Asp | Gln | Glu | Ile 215 | Ala | His | Leu | Leu | Pro 220 | Glu | Asn | Val | Ser | Ala 225 |
| Leu | Pro | Ala | Thr | Val 230 | Ala | Val | Ala | Ser | Pro 235 | His | Thr | Thr | Ser | Ala 240 |
| Thr | Pro | Lys | Pro | Ala 245 | Thr | Leu | Leu | Pro | Thr 250 | Asn | Ala | Ser | Val | Thr 255 |
| Pro | Ser | Gly | Thr | Ser 260 | Gln | Pro | Gln | Leu | Ala 265 | Thr | Thr | Ala | Pro | Pro 270 |
| Val | Thr | Thr | Val | Thr 275 | Ser | Gln | Pro | Pro | Thr 280 | Thr | Leu | Ile | Ser | Thr 285 |
| Val | Phe | Thr | Arg | Ala 290 | Ala | Ala | Thr | Leu | Gln 295 | Ala | Met | Ala | Thr | Thr 300 |
| Ala | Val | Leu | Thr | Thr | Thr | Phe | Gln | Ala | Pro | Thr | Asp | Ser | Lys | Gly |

cgggtccctg ctctttgg 18

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305
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                                                          315
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 Val Glu Ser Ser Thr Met Asn Lys Thr Ala Ser Trp Glu Gly Arg
 Glu Ala Ser Pro Gly Ser Ser Ser Gln Gly Ser Val Pro Glu Asn
 Gln Tyr Gly Leu Pro Phe Glu Lys Trp Leu Leu Ile Gly Ser Leu
                                      385
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agtgtaagtc aagctccc 18
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aatccctgct cttcatggtg acctatgacg acggaagcac aagactgaat 500
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<210> 91

<211> 235

<212> PRT

<213> Homo Sapien

<400> 91

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Leu Ile Pro Asp Ala Pro Leu Ser Ser Ala Ala Tyr Ser Ile Arg 35 40 45

Ser Ile Gly Glu Arg Pro Val Leu Lys Ala Pro Val Pro Lys Arg
50 55 60

Gln Lys Cys Asp His Trp Thr Pro Cys Pro Ser Asp Thr Tyr Ala 65 70 75

Tyr Arg Leu Leu Ser Gly Gly Gly Arg Ser Lys Tyr Ala Lys Ile 80 85 90

Cys Phe Glu Asp Asn Leu Leu Met Gly Glu Gln Leu Gly Asn Val 95 100 105

Ala Arg Gly Ile Asn Ile Ala Ile Val Asn Tyr Val Thr Gly Asn 110 115 120

Val Thr Ala Thr Arg Cys Phe Asp Met Tyr Glu Gly Asp Asn Ser 125 130

Gly Pro Met Thr Lys Phe Ile Gln Ser Ala Ala Pro Lys Ser Leu 140 145 150

Leu Phe Met Val Thr Tyr Asp Asp Gly Ser Thr Arg Leu Asn Asn 155 160 165

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Asn Met Lys Phe Arg Ser Ser Trp Val Phe Ile Ala Ala Lys Gly 195
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Leu Glu Leu Pro Ser Glu Ile Gln Arg Glu Lys Ile Asn His Ser 200 205 210

Asp Ala Lys Asn Asp Tyr Ser Gly Trp Pro Ala Glu Ile Gln
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Ile Glu Gly Cys Ile Pro Lys Glu Arg Ser 230 235

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<213> Artificial Sequence

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<223> Synthetic oligonucleotide probe

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<223> Synthetic oligonucleotide probe

<400> 93 aggettggaa etecette 18

<210> 94 <211> 24

<212> DNA

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<400> 94

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W/W





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